



## **CERTIFICATE OF ANALYSIS**

**Date: 18/07/17**

**PRODUCT NAME : 1,10-PHENANTHROLINE HCl AR  
REDOX INDICATOR**

**CAS No : 18851-33-7  
Mol. Formula :  $C_{12}H_9ClN_2 \cdot H_2O$   
Mol. WT : 234.69  
Exp. : June 2022**

**Product code : 24641  
Batch No : MCR-14010  
Mfd. : July 2017**

S. R.	Test	Specification	Observation
1	Assay (acidimetric)	99.5% min	99.90%
2	Substance insoluble in water	passes test	passes test
3	Water	7.0 – 8.5%	7.09%
4	Sulphated ash	0.2% max	0.04%
5	Suitability as indicator	passes test	passes test
6	Sensitivity test for iron (II)	passes test	passes test

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**HEAD-QUALITY ASSUARANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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